

Datasheet for ABIN950555

anti-ATP5G1 antibody (Middle Region)





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Quantity:	0.4 mL
Target:	ATP5G1
Binding Specificity:	AA 26-56, Middle Region
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP5G1 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)
Product Details	
Immunogen:	KLH conjugated synthetic peptide between 26-56 amino acids from the Central region of human ATP5G1
Isotype:	Ig Fraction
Specificity:	This antibody reacts to ATP synthase proteolipid P1.
Cross-Reactivity (Details):	Species reactivity (tested):Human and Mouse.
Purification:	Affinity chromatography on Protein A
Target Details	
Target:	ATP5G1
Alternative Name:	ATP Synthase Proteolipid P1 (ATP5G1 Products)

Target Details

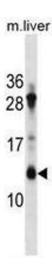
Storage:

Storage Comment:

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Background:	This gene encodes a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase	
	catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner	
	membrane during oxidative phosphorylation. ATP synthase is composed of two linked multi-	
	subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo,	
	comprising the proton channel. The catalytic portion of mitochondrial ATP synthase consists of	
	5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled with a stoichiometry of	
	3 alpha, 3 beta, and a single representative of the other 3. The proton channel seems to have	
	nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene is one of three genes that encode subunit c	
	of the proton channel. Each of the three genes have distinct mitochondrial import sequences	
	but encode the identical mature protein. Alternatively spliced transcript variants encoding the	
	same protein have been identified.Synonyms: ATP5G1, ATPase protein 9, ATPase subunit c,	
	mitochondrial ATP synthase lipid-binding protein	
Gene ID:	516	
NCBI Accession:	NP_001002027	
Pathways:	Proton Transport, Ribonucleoside Biosynthetic Process	
Application Details		
Application Notes:	Optimal working dilution should be determined by the investigator.	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	0.25 mg/mL	
Buffer:	PBS containing 0.09 % (W/V) sodium azide as preservative	
Preservative:	Sodium azide	
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which	
	should be handled by trained staff only.	
Handling Advice:	Avoid repeated freezing and thawing.	

Store the antibody undiluted at 2-8 $^{\circ}\text{C}$ for one month or (in aliquots) at -20 $^{\circ}\text{C}$ for longer.

4 °C/-20 °C



Western Blotting

Image 1. ATP5G1 Antibody (Center) western blot analysis in mouse liver tissue lysates ($35\mu g$ /lane). This demonstrates the ATP5G1 antibody detected the ATP5G1 protein (arrow).